

IFW 1654

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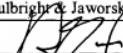
Total Number of Pages in this Submission : _____

Application Number:	10/511,669
Filing Date:	OCTOBER 18, 2004
First Named Inventor:	Neal A. Bringe
Art Unit:	1654
Examiner Name:	Unknown
Attorney Docket Number:	MONS.017US

ENCLOSURES (check all that apply)

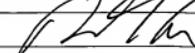
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<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Statement under 37 CFR §3.73(b)	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below)
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<input checked="" type="checkbox"/> References B1-B5, C1-C41	<input type="checkbox"/> CD, Number CD(s) _____	<input type="checkbox"/> Paper Copy of Sequence Listing
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	Fulbright & Jaworski L.L.P.	Customer Number	32425
Signature			
Printed Name	Robert E. Hanson	Reg. No.	42,628
Date	October 19, 2005		

CERTIFICATE OF TRANSMISSION/MAILING

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Typed or Printed Name	Robert E. Hanson	Date	October 19, 2005



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:
Neal A. Bringe
Kanthasamy Karunandanad

Serial No.: 10/511,669

Filed: OCTOBER 18, 2004

For: OIL BODY ASSOCIATED PROTEIN
COMPOSITIONS AND METHODS OF
USE THEREOF FOR REDUCING THE
RISK OF CARDIOVASCULAR DISEASE

Group Art Unit: 1654

Examiner: Unknown

Atty. Dkt. No.: MONS:017US

CERTIFICATE OF MAILING
37 C.F.R. 1.8

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October 19, 2005

Date

Robert E. Hanson

INFORMATION DISCLOSURE STATEMENT

MS AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/MONS:017US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,



Robert E. Hanson
Reg. No. 42,628
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.
600 Congress Avenue, Suite 2400
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(512) 474-5201

Date: October 19, 2005

Form PTO-1449 (modified)

Atty. Docket No.

Serial No.

MONS:017US

10/511,669

Applicant

Neal A. Bringe
Kanthasamy KarunandaaFiling Date:
October 18, 2004Group:
1654

OCT 21 2005
U.S. PATENT & TRADEMARK OFFICE
List of Patents and Publications for Applicant's
INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

U.S. Patent Documents

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Foreign Patent Documents

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Other Art

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U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	5,559,220	9/24/96	Ohlrogge	536	23.6	4/7/95
	A2	5,855,892	1/5/99	Potter	424	757	9/19/97
	A3	6,136,367	10/24/00	Hoie	424	757	8/28/98
	A4	6,171,640	1/9/01	Bringe	426	656	10/7/98

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	JP 2001-114800	4/24/01	Japan			Yes
	B2	JP 2002-101820	4/09/02	Japan			Yes
	B3	WO 00/30602	6/2/00	WIPO			
	B4	WO 00/30663	6/2/00	WIPO			
	B5	WO 89/01495	2/23/89	WIPO			Yes

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Abell, "Targeting and topology of seed oleosins," Ph.D. Dissertation, Department of Biological Sciences, Calgary, Alberta, Canada, May, 1999.
	C2	Anderson <i>et al.</i> , "Meta-analysis of the effects of soy protein intake on serum lipids," <i>N Engl J Med</i> , 333(5):276-282, 1995.
	C3	Anthony <i>et al.</i> , "Neither isoflavones nor the alcohol-extracted fraction added to alcohol-washed soy protein isolate restores the lipoprotein effects of soy protein isolate," 4 th International Symposium on the Role of Soy Preventing and Treating Chronic Disease, p 35, San Diego, CA, November 4-7, 2001.
	C4	Bringe and Cheng, "Low-fat, low-cholesterol egg yolk in food applications," <i>Food Tech</i> , 49(5):94-106, 1995.

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

Form PTO-1449 (modified)		Atty. Docket No. MONS:017US	Serial No. 10/511,669
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Neal A. Bringe Kanthasamy Karunandaa	
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C5	Bringe, "Properties of low-fat, low cholesterol egg yolk prepared by supercritical CO ₂ extraction," <i>Adv Exp Med Biol</i> , 415:161-181, 1997.
	C6	Clarkson <i>et al.</i> , "A paradoxical association between plasma isoflavone concentrations on a soy-containing diet, and both plasma lipoproteins and atherosclerosis," <i>4th International Symposium on the Role of Soy Preventing and Treating Chronic Disease</i> , p 35, San Diego, CA, November 4-7, 2001.
	C7	Forsythe <i>et al.</i> , "Dietary protein effects on cholesterol and lipoprotein concentrations: a review," <i>J Am Coll Nutr</i> , 5:533-549, 1986.
	C8	Fransen <i>et al.</i> , "Oil bodies and their associated proteins, oleosin and caleosin," <i>Physiol Plant</i> , 112(3):301-307, 2001.
	C9	GenBank Accession Number AAA67699.
	C10	GenBank Accession Number AAA68065.
	C11	GenBank Accession Number AAA68066.
	C12	GenBank Accession Number CAA55348.
	C13	GenBank Accession Number P29530.
	C14	GenBank Accession Number P29531.
	C15	Hori <i>et al.</i> , "Cholesterol-lowering effects of isolated soybean protein hydrolyzate with bound phospholipids in rats," <i>J Jpn Soc Nutr Food Sci</i> , 52:135-145, 1999.
	C16	Hori <i>et al.</i> , "Soy protein hydrolyzate with bound phospholipids reduces serum cholesterol levels in hypercholesterolemic adult male volunteers," <i>Biosci Biotechnol Biochem</i> , 65(1):72-78, 2001.
	C17	Huang, "Oleosins and oil bodies in seeds and other organs," <i>Plant Physiol</i> , 110:1055-1061, 1996.
	C18	Iwami <i>et al.</i> , "Characterization of a major bile acid-binding peptide from the peptic-pancreatic digest of soybean protein," <i>Soy Protein Res Com Japan</i> , 15:74-80, 1994.
	C19	Iwami <i>et al.</i> , "Molecular recognition of bile acids by soy protein and modeling of its mimetics," <i>English Title of the S.P.R.C. Report Vol. 22</i> , abstract from <i>Soy Protein Research, Japan</i> , 4:58-64, 2001.

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Applicant Neal A. Bringe Kanthasamy Karunandanada

Filing Date: October 18, 2004	Group: 1654
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U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 1</i>	Other Art <i>See Page 1</i>
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Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C20	Kanamoto <i>et al.</i> , "Soybean 'resistant protein' that prevents colon and liver carcinogenesis induced by bile acids in rat," <i>4th International Symposium on the Role of Soy Preventing and Treating Chronic Disease</i> , A-13, p 42, San Diego, CA, November 4-7, 2001.
	C21	Keenan, "Milk lipid globules and their surrounding membrane: a brief history and perspectives for future research," <i>J Mammary Gland Biol Neoplasia</i> , 6(3):365-371, 2001.
	C22	Leber <i>et al.</i> , <i>Yeast</i> , 10:1421-1428, 1994.
	C23	Lovati <i>et al.</i> , "Soy protein peptides regulate cholesterol homeostasis in Hep G2 cells," <i>J Nutr</i> , 130:2543-2549, 2000.
	C24	Morita <i>et al.</i> , "Resistant proteins alter cecal short-chain fatty acid profiles in rats fed high amylose cornstarch," <i>J Nutr</i> , 128:1156-1164, 1998.
	C25	Murphy <i>et al.</i> , "A class of amphipathic proteins associated with lipid storage bodies in plants. Possible similarities with animal serum apolipoproteins," <i>Biochim Biophys Acta</i> , , 1088:86-94, 1991.
	C26	Nagaoka <i>et al.</i> , "Identification of novel hypocholesterolemic peptides derived from bovine milk beta-lactoglobulin," <i>Biochem Biophys Res Comm</i> , 281:11-17, 2001.
	C27	Nagaoka <i>et al.</i> , "Soy protein peptic hydrolysate with bound phospholipids decreases micellar solubility and cholesterol absorption in rats and caco-2 cells," <i>J Nutr</i> , 129:1725-1730, 1999.
	C28	Oakenfull, "Soy proteins, saponins and plasma cholesterol," Letter to the Editor, <i>J Nutr</i> , 131:2971-2972, 2001.
	C29	Pieper-Fürst <i>et al.</i> , "Purification and characterization of a 14-kilodalton protein that is bound to the surface of polyhydroxyalkanoic acid granules in rhodococcus ruber," <i>J Bacteriol</i> , 176:4328-4337, 1994.
	C30	Potter, "Soy-new health benefits associated with an ancient food," <i>Nutrition Today</i> , 35(2):53-60, 2000.
	C31	Roessler, J Phycol, "Effects of silicon deficiency on lipid composition and metabolism in the diatom cyclotella cryptica," (London), 24:394-400, 1988.
	C32	Samoto <i>et al.</i> , "Improvement of the off-flavor of soy protein isolate by removing oil-body associated proteins and polar lipids," <i>Biosci Biotechnol Biochem</i> , 62(5):935-940, 1998.

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*See Page 1*Foreign Patent Documents
*See Page 1*Other Art
*See Page 1***Other Art (Including Author, Title, Date Pertinent Pages, Etc.)**

Exam. Init.	Ref. Des.	Citation
	C33	Sitori <i>et al.</i> , "Reduction of serum cholesterol by soy proteins: clinical experience and potential molecular mechanisms," <i>Nutr Metab Cardiovasc Dis</i> , 8:334-340, 1998.
	C34	Sugano <i>et al.</i> , "The hypocholesterolemic action of the undigested fraction of soybean protein in rats," <i>Atherosclerosis</i> , 72:115-122, 1988.
	C35	Ting <i>et al.</i> , "Oleosin of plant seed oil bodies is correctly targeted to the lipid bodies in transformed yeast," <i>J. Biol. Chem.</i> , 272(6):3699-3706, 1997.
	C36	Tzen and Huang, "Surface structure and properties of plant seed oil bodies," <i>J. Cell Biol.</i> , 117:327-335, 1992.
	C37	Utsumi <i>et al.</i> , In: <i>Food Proteins and Their Applications</i> , Damodaran and Paraf (eds.), Marcel Dekker, Inc., NY, 1997.
	C38	Wu <i>et al.</i> , "Genomic cloning of 18 kDa oleosin and detection of triacylglycerols and oleosin isoforms in maturing rice and postgerminative seedlings," <i>J. Biochem</i> , 123:386-391, 1998.
	C39	Yoshikawa <i>et al.</i> , "Study on a low molecular weight peptide derived from soybean protein having hypocholesteremic activity," <i>Soy Protein Research, Japan</i> , 2:125-128, 1999.
	C40	Zweytick <i>et al.</i> , "Intracellular lipid particles of eukaryotic cells," <i>Biochim Biophys Acta</i> , 1469:101-120, 2000.
	C41	Kambara et al., "Effects of soybean b-conglycin on serum high triacylglycerol level lowering and bmi in human subjects and study of long-term and large intake of soybean b-conglycin on clinical parameters," <i>J of Nutritional Food</i> , 7:1-19, 2004.

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